

0961230.092501

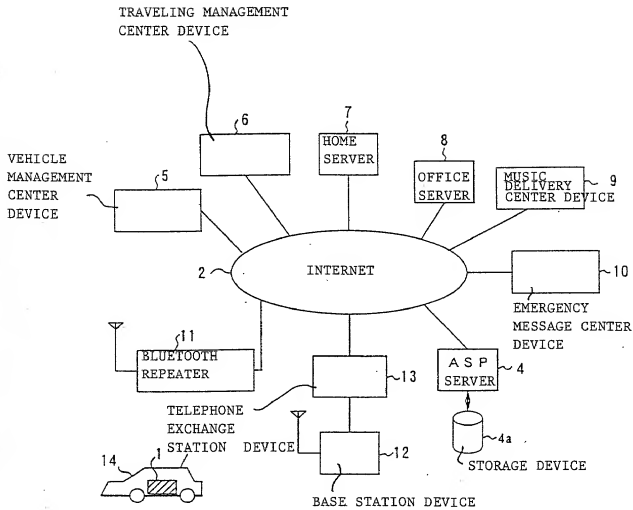


FIG. 1

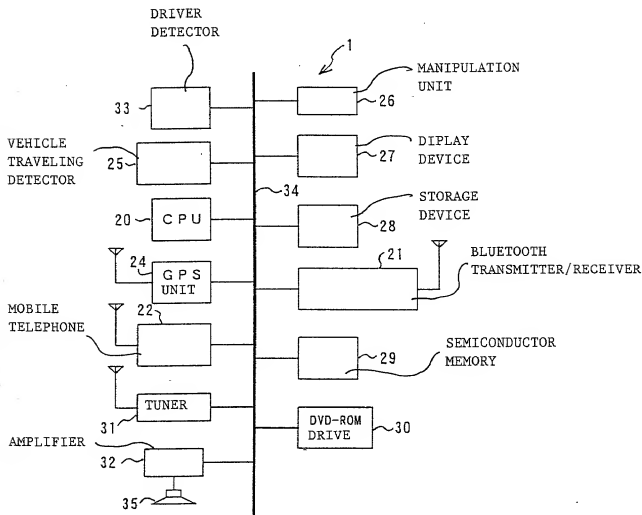


FIG. 2

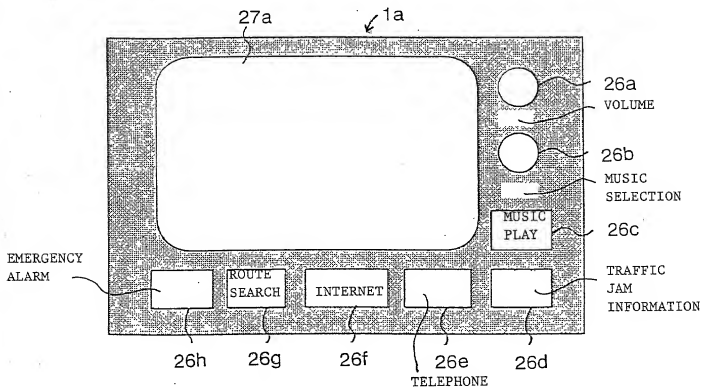


FIG. 3

MUSIC PLAY
INTERNET RADIO
MP3 DATA
GROUND WAVE

RETURN

FIG. 4 A

TRAFFIC JAM INFORMATION
RADIO
INTERNET
VICS
PREDICTION FROM PAST DATA
ATIS
SPEEDWAY PUBLIC CORPORATION GUIDE

RETURN

FIG. 4 B

TELEPHONE

CONTACT ADDRESS
LIST

RETURN

FIG. 4 C

ROUTE SEARCH
DEPARTURE
DESTINATION
DATE AND TIME
LOCATION
CONDITION
PAST RECORD

RETURN

FIG. 4 D

EMERGENCY ALARM
ACCESS POINT
EMERGENCY CENTER
AMBULANCE
POLICE
INSURANCE COMPANY
REPAIR SHOP

RETURN

FIG. 4 E

FIG. 4 A, FIG. 4 B, FIG. 4 C, FIG. 4 D, FIG. 4 E

CAR PROFILE DATABASE

USER

PASSWORD

LOGIN HELP

FIG. 5A

CAR PROFILE DATABASE

APPLICATION
DATABASE
USER SETTING
UPDATE DATA

FIG. 5B

APPLICATION
TRAVELING MANAGEMENT
EMERGENCY ALARM
MUSIC DELIVERY
ANTI-THEFT
VEHICLE MANAGEMENT
PUBLIC TELEPHONE
ROUTE SEARCH
MAIL

RETURN

FIG. 5C

DATABASE
VEHICLE DATA
TRAVELING DATA
DRIVER DATA
MUSIC DATA
ADDRESS BOOK
MAP DATA

RETURN

FIG. 5D

USER SETTING
SET ACCESS RIGHT
ADD NEW USER
CHANGE USER DATA
SET ACCESS POINT

RETURN

FIG. 5E

UPDATE DATA
UNCONDITIONAL UPDATE (DATA MOVE)
CONDITIONAL UPDATE (DESTINATION)
CONDITIONAL UPDATE
(COMMUNICATION CONDITION)
ERASE (FORMAT)

RETURN

FIG. 5F

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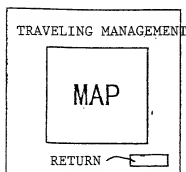


FIG. 6A

PARTS
CHECK
(MAINTENANCE
INFORMATION)
STRAT ENGINE
START AIR
CONDITIONER

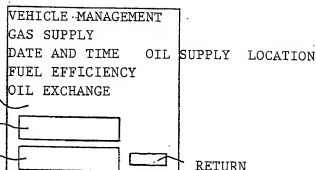


FIG. 6E

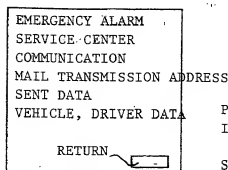


FIG. 6B

PAST
INFORMATION

SEND RESULT
TO VEHICLE

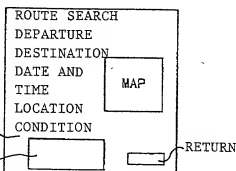


FIG. 6F

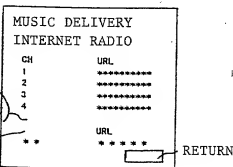


FIG. 6C

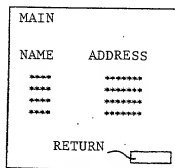


FIG. 6G

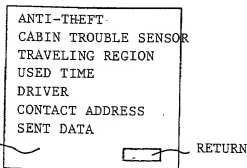


FIG. 6D

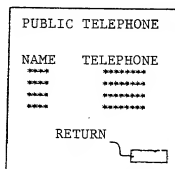
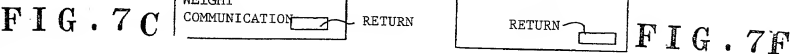
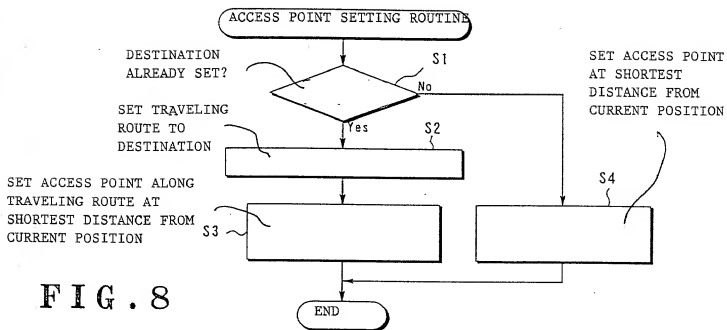


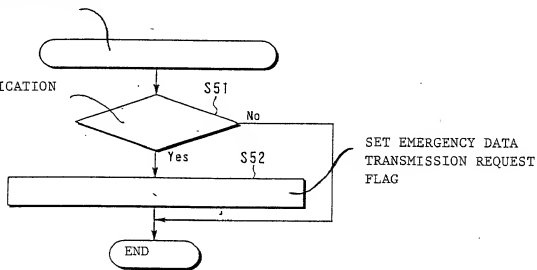
FIG. 6H





**EMERGENCY DATA COMMUNICATION
SETTING ROUTINE**

EMERGENCY COMMUNICATION
INSTRUCTED?



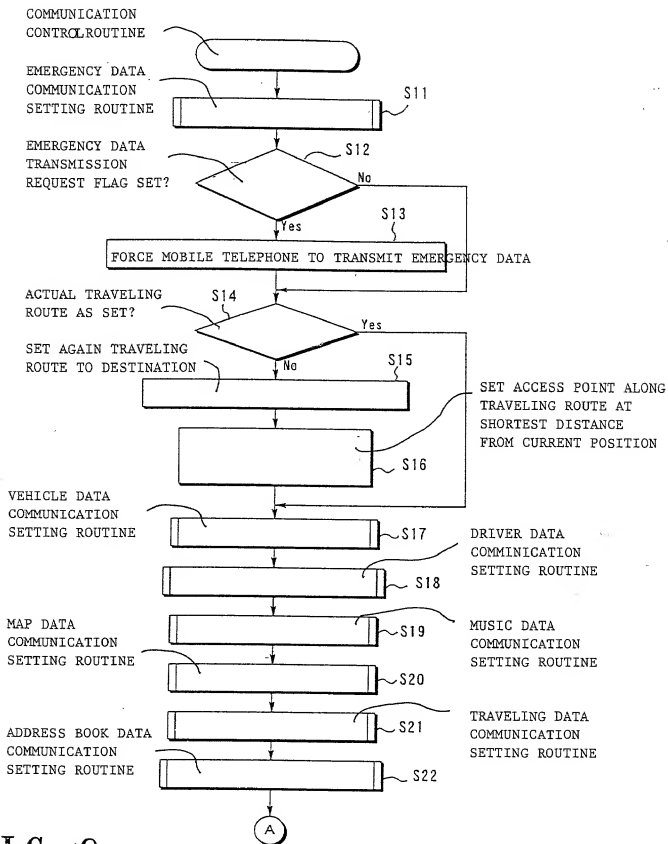


FIG. 9

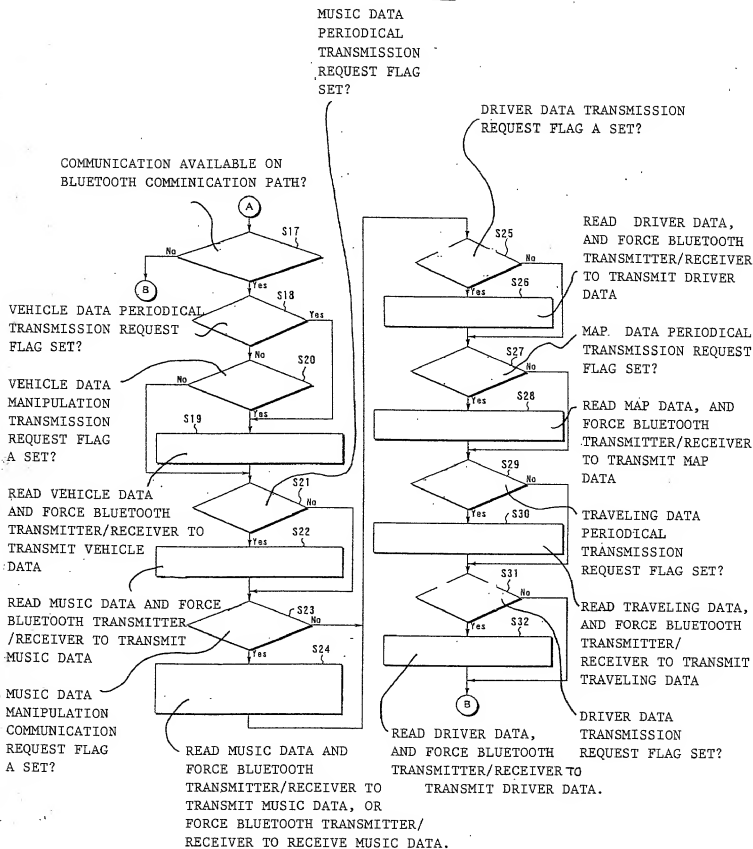


FIG. 10

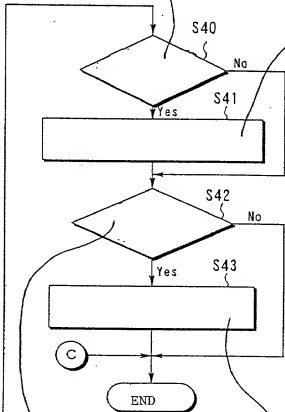
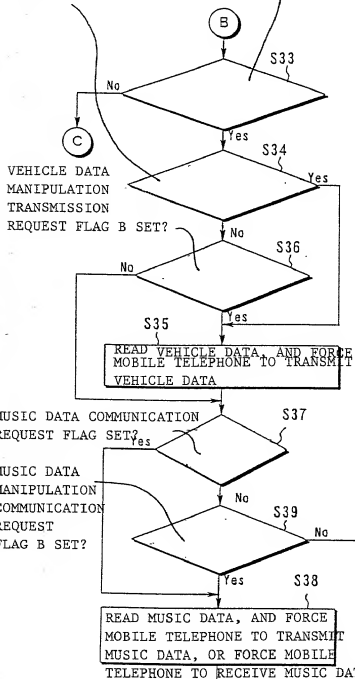
COMMUNICATION AVAILABLE
ON MOBILE TELEPHONE
COMMUNICATION PATH?

DRIVER DATA
TRANSMISSION
REQUEST FLAG
B SET?

READ DRIVER DATA,
AND MOBILE
TELEPHONE TO
TRANSMIT DRIVER
DATA

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Data Communication System
Filed: September 25, 2001
Darryl Mexic 202-293-7060
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VEHICLE DATA
EVENT TRANSMISSION
REQUEST FLAG SET?



TRAVELING DATA
EXTRA TRANSMISSION
REQUEST FLAG SET?

READ TRAVELING DATA,
AND FORCE MOBILE
TELEPHONE TO
TRANSMIT TRAVELING DATA

FIG. 11

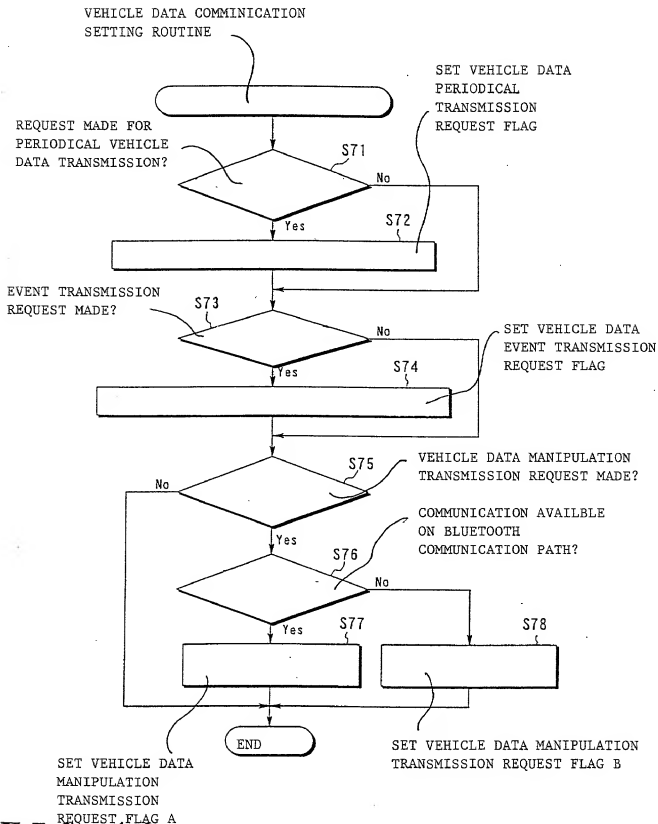


FIG. 13

	TYPE	UPDATE CYCLE	PRECEDING UPDATE DATE AND TIME
VEHICLE DATA		ONE WEEK	XXXX:YY:ZZ 12:10
DRIVER DATA		START OF VEHICLE	XXXX:YY:ZZ 11:03
MUSIC DATA		TWICE A DAY	XXXX:YY:ZZ 12:00
MAP DATA		ONE A MONTH	XXXX:YY:ZZ 09:45
TRAVELING DATA		EVERY 10 MINUTES	XXXX:YY:ZZ 12:50
ADDRESS BOOK DATA		ONE A DAY	XXXX:YY:ZZ 10:10
EMERGENCY DATA			XXXX:AY:GH 17:30
		(OCCURRENCE OF EMERGENCY	

FIG. 14

0001230, 00012304

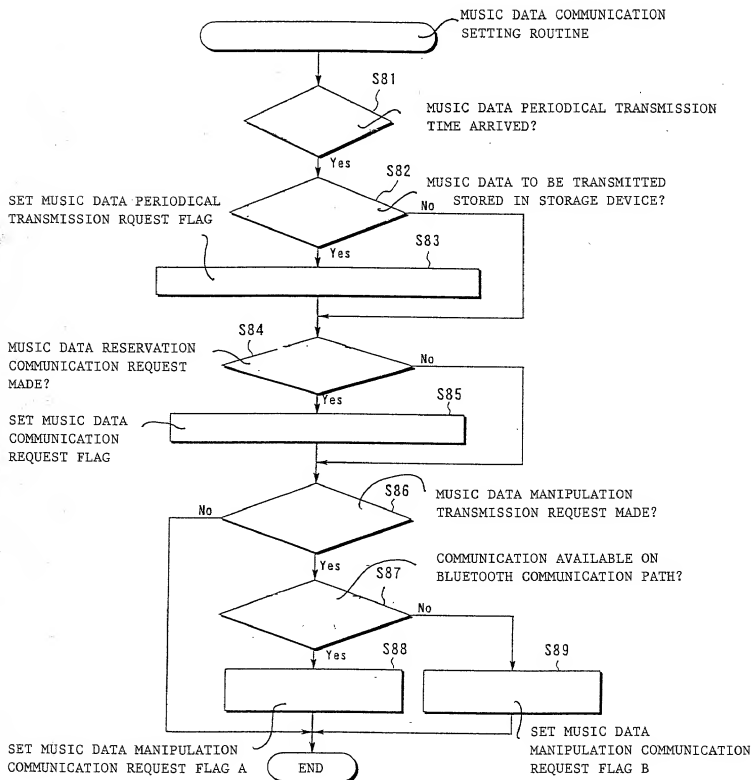


FIG. 15

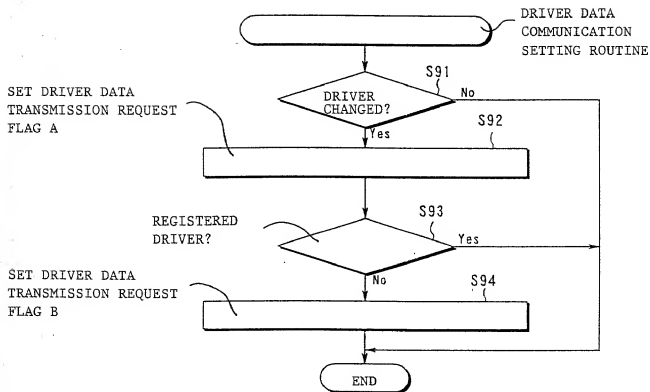


FIG. 16

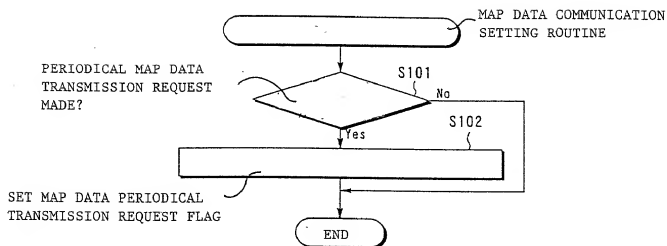
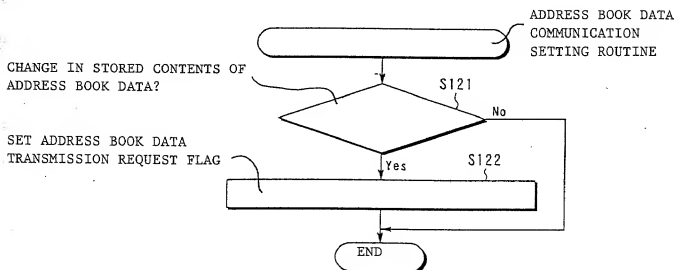
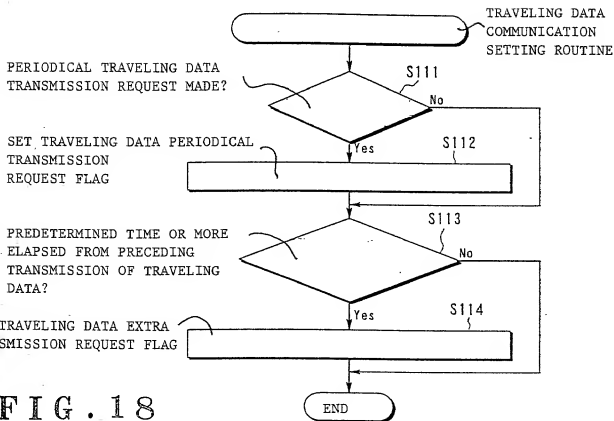


FIG. 17



TYPE	VEHICLE MANAGEMENT (CENTER DEVICE)		TRAVELING MANAGEMENT CENTER DEVICE		MUSIC DELIVERY CENTER DEVICE		EMERGENCY MESSAGE CENTER DEVICE	
	DEVICE OR SERVER			HOME SERVER	OFFICE SERVER			
VEHICLE DATA		○	○	○	○	×	○	○
DRIVER DATA		○	○	○	○	○	○	○
MUSIC DATA		×	×	○	○	○	×	×
MAP DATA		×	○	○	○	×	○	○
TRAVELING DATA		○	○	○	×	×	○	○
ADDRESS BOOK DATA		×	×	○	○	×	×	×
EMERGENCY DATA		×	×	○	×	×	○	○

FIG. 20

REQUEST FOR USER
 IDENTIFICATION CODE IN
 AND PASSWORD

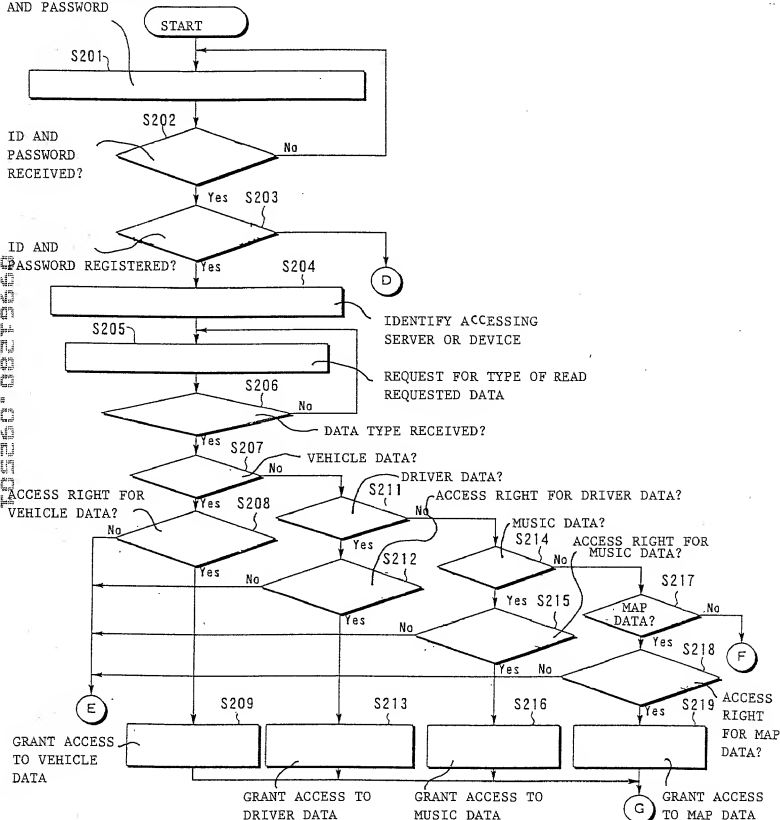


FIG. 21

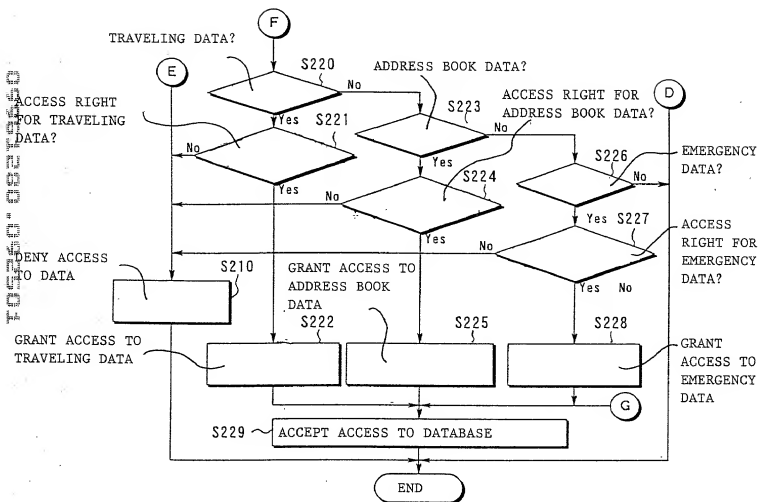


FIG. 22

USER GROUP		FRIEND		POLICE		FIRE		REPAIR
TYPE		OWNER	FAMILY MEMBER	SECURITY COMPANY	FIRE STATION	SHOP		
VEHICLE DATA		○	○	○	○	○	○	○
DRIVER DATA		○	○	○	○	×	○	×
MUSIC DATA		○	×	○	×	×	×	×
MAP DATA		○	○	○	○	○	×	×
TRAVELING DATA		○	○	×	×	×	×	○
ADDRESS BOOK DATA		○	×	×	×	×	×	×

FIG. 23

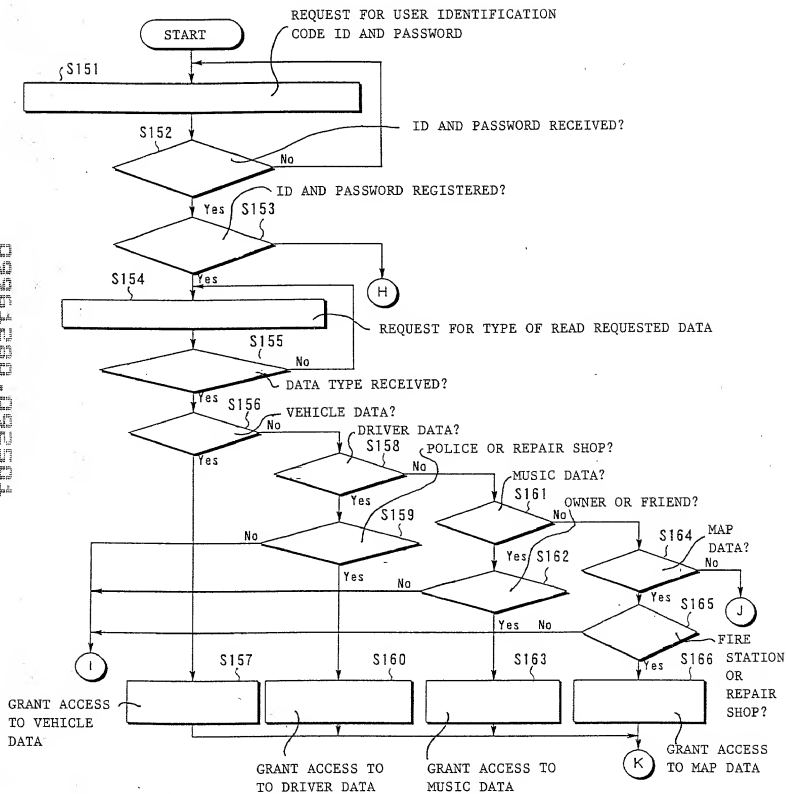


FIG. 24

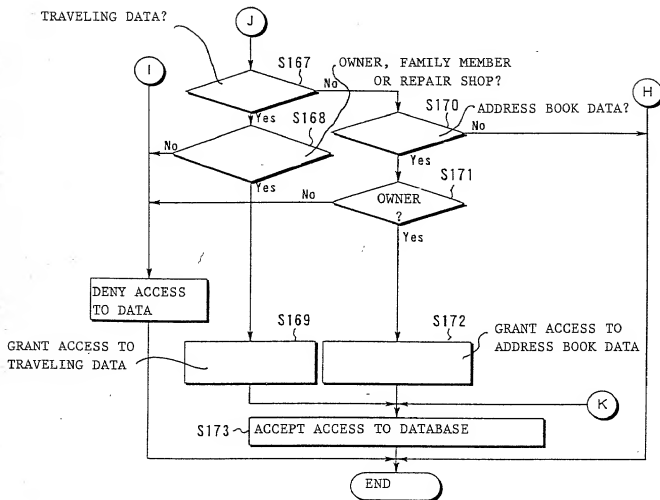


FIG. 25